

## Chemistry and Technology of Uranium (Cont.)

SOV/5820

are of primary interest. Fluoride methods are preferred to hydrometallurgical methods because radioactive waste solutions in the former are either reduced to a minimum or eliminated. No personalities are mentioned. References accompany individual chapters.

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Card 2/3	

SUDARIKOV, B.N.

"Uranyl and its compounds" by I.I. Lipilina. Reviewed by B.N.  
Sudarikov. Zhur. neorg. khim. 6 no.1:254 '61. (IZA 14:2)  
(Uranyl compounds) (Lipilina, I.I.)

GROMOV, B.V.; SUDARIKOV, B.N.

"Chemistry of uranium and transuranium elements" by V.M.Vdovenko.  
Reviewed by B.V.Gromov, B.N.Sudarikov. Zhur.neorg.khim. 6 no.10:  
2418-2419 O '61. (MIRA 14:9)  
(Uranium) (Transuranium elements)  
(Vdovenko, V.M.)

89355

S/089/61/010/002/005/018  
B102/B209

21.3300

AUTHORS: Galkin, N. P., Sudarikov, B. N., Zaytsev, V. A., Vlasov, D. A., Kosarev, V. G.

TITLE: An investigation of the properties of uranium hexafluoride in organic solvents

PERIODICAL: Atomnaya energiya, v. 10, no. 2, 1961, 143-148

TEXT: This is a report on investigations of the solubility and dissolution kinetics of uranium hexafluoride in carbon tetrachloride, chloroform, dichloro-methane, unsymmetric dichloro-ethane, symmetric tetrachloro-ethane, pentachloro-ethane, trifluoro-trichloro-ethane, symmetric trichloro-propane, and tetrachloro-propane. The investigations of solubility were made in a quartz container with a mixture of completely fluorinated hydrocarbons as sealing liquid, at  $\sim 140^{\circ}\text{C}$ . The kinetics of dissolution was determined at  $25^{\circ}$  in all organic solvents, except in dichloro-ethane, where it was made at  $10^{\circ}\text{C}$ . In the majority of the solvents, equilibrium was reached after 1 hour, in chloroform and trichloro-propane only after 3 hours. The values

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of  $\text{UF}_6$  solubility at  $25^\circ\text{C}$  in the different solvents are listed in Table 1 (in g/ml). Solubility increased monotonically with temperature, viz. linearly in the essential. The solubility of  $\text{UF}_4$ ,  $\text{UO}_2\text{F}_2$  and  $3\text{NaF}\cdot\text{UF}_6$  in  $\text{CCl}_4$  and  $\text{CHCl}_3$  at  $25^\circ\text{C}$  was also investigated and it was found to be  $\leq 15$  mg uranium per liter; only  $3\text{NaF}\cdot\text{UF}_6$  in  $\text{CCl}_4$  had a solubility of 72 mg/l. The solution of  $\text{UF}_6$  in trifluoro-trichloro-ethane was colorless, whereas all the other solutions were colored. In general, the color was intensified with rising  $\text{UF}_6$  content. The stability of the solutions was determined at  $20^\circ\text{C}$ . After a time of storage of 7 and 14 days in the exsiccator the uranium content was determined; U IV was found in none of the cases. The results are compiled in Table 2. The stability in the case of a time of storage of 30 days ( $20^\circ\text{C}$ ) was examined, too. Table 3 shows the results. It was found that the U IV content was practically independent of the solvent and the initial  $\text{UF}_6$  concentration. Reduction of U VI proceeded faster in chloroform and unsymmetrical  $\text{C}_2\text{H}_4\text{Cl}_2$ . After 7 days, 0.162 and 0.150 g  $\text{U}^{4+}$ , respectively, were found in 5 ml of solution (with 0.603 and 0.500 g  $\text{UF}_6$

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initially). The degree of reduction was 27 % and/or 30%. Moreover, the temperature dependence of the degree of reduction was ascertained. Table 6 shows data on the degree of reduction of UF<sub>6</sub> (in %) at 60, 80, and 100°C in the individual solvents (3 ml solution, 0.48 g UF<sub>6</sub>/ml), and Table 7 lists the reduction degree and U VI/U IV ratio for several solvents. The investigations yielded the following results: 1) The chlorine derivatives of methane are better solvents than the chlorine derivatives of ethane and propane. 2) The solubility of UF<sub>6</sub> and of uranyl fluoride in carbon tetrachloride and chloroform is very low. 3) At 20°C, the solutions of UF<sub>6</sub> in CCl<sub>4</sub>, tetrachloro-ethane, pentachloro-ethane, and in trifluoro-trichloro-ethane are stable, those in chloroform and dichloro-ethane are unstable. 4) In the reaction of UF<sub>6</sub> with organic solvents, uranium pentafluoride forms, which first is reduced to intermediate uranium fluorides and then to uranium tetrafluoride. There are 4 figures, 7 tables, and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc.

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Legend to Table 2: 1) solvent,  
 2) initial  $\text{UF}_6$  concentration (g/ml),  
 3)  $\text{UF}_6$  concentration after 7 days,  
 4)  $\text{UF}_6$  concentration after 14 days.

1 Органический растворитель	2 Начальная концентрация $\text{UF}_6$ , г/мл	3 Концентрация $\text{UF}_6$ через 7 дней поддержки, г/мл	4 Концентрация $\text{UF}_6$ через 14 дней поддержки, г/мл
$\text{CCl}_4$	{ 0,273 0,185	0,270 0,186	0,272 0,184
$\text{C}_2\text{H}_4\text{Cl}_2$ (симметричный)	{ 0,190 0,130	0,188 0,127	0,189 0,128
$\text{C}_2\text{Cl}_3\text{F}_3$	{ 0,304 0,206	0,300 0,203	0,302 0,204

tab.2

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Legend to Table 3: 1) solvent,  
 2) initial U<sup>6+</sup> content (g),  
 3) U<sup>4+</sup> content (g), 4) degree of  
 reduction.

1 Органический растворитель	2 Начальное содержание U <sup>6+</sup> , г	3 Содержание U <sup>4+</sup> , г	4 Степень вос- становления урана, %
CCl <sub>4</sub>	0,920	0,020	2,2
C <sub>2</sub> H <sub>4</sub> Cl <sub>4</sub> (симметрич- ный)	0,933	0,020	2,1
C <sub>2</sub> HCl <sub>3</sub>	0,995	0,021	2,0
C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	0,630	0,019	3,2

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Legend to Table 7: 1) solvent,  
 2) ratio of  $U^{6+} : U^{4+}$ , 3) degree  
 of reduction.

1 органический растворитель	2 Отношение $U^{6+}$ и $U^{4+}$	Степень восста- новления ура- на, %
CHCl <sub>3</sub>	1,27	56,0
CH <sub>2</sub> Cl <sub>2</sub>	1,36	57,1
C <sub>2</sub> H <sub>5</sub> Cl <sub>3</sub>	1,36	57,7
C <sub>2</sub> H <sub>4</sub> Cl <sub>4</sub>	4,78	82,7

Tab. 7

Органический растворитель	Температура, °C		
	60	80	100
CCl <sub>4</sub>	0	0	57,5
CHCl <sub>3</sub>	1,1	6	56,0
CH <sub>2</sub> Cl <sub>2</sub>	10,8	27,7	57,1
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	20,5	36,8	50,7
C <sub>2</sub> H <sub>5</sub> Cl <sub>3</sub>	3,9	5,7	18,5
C <sub>2</sub> HCl <sub>3</sub>	2,4	2,1	2,4
C <sub>3</sub> H <sub>5</sub> Cl <sub>3</sub>	2,5	29,9	57,7
C <sub>3</sub> H <sub>4</sub> Cl <sub>4</sub>	47,5	70,8	82,7

Tab. 6

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GALKIN, N.P.; SUDARIKOV, B.N.; ZAYTSEV, V.A.

Methods of reducing uranium hexafluoride. Atom. energ. 10 no.2:  
149-155 p '61.  
(Uranium fluoride)

(MIRA 14:1)

Thermal decomposition of ...

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S/089/61/011/006/014/014  
B101/B102

but only  $\text{NH}_3$  is liberated. At  $460^\circ\text{C}$ , mainly liberation of F can be observed. Thus,  $\text{HUF}_5$ , which is unknown in aqueous solution, should be stable between  $260-460^\circ\text{C}$ . There are 1 figure, 1 table, and 7 references: 1 Soviet and 6 non-Soviet. The three most recent references to English-language publications read as follows: J. Impe Van, Chem. Engng. Progr., 50, no. 5, 230 (1954); E. Bernhardt et al., Nucl. Sci. Abstrs, 10, 792 (1956); V. Dadape, N. Krishna Prasad, Paper no. 1688, submitted by India on the Second International Conference on the Peaceful Use of Atomic Energy (Geneva, 1958).

SUBMITTED: February 1, 1961

Card 2/2

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"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SHIBAKI, BUNJIRO, 1914-1985; TEL. NO. 71-22-1000, TOKYO, JAPAN

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CIA-RDP86-00513R001653730002-4

SUDARIKOV, B.M.; FROLOV, Yu.G.; IL'ICHEV, V.A.; PUSHKOV, A.A.; YAKHAROV-HARTSISOV, O.I.; OCHKIN, A.V.

Physicochemical properties of some n-aliphatic amines. Trudy MKHTI no.43:21-28 '63.

(MIRA 17:10)

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CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

GALIMOV, M.M.; S. DANILOV, N.N.; CHITOV, V.A.

Thermal effect of the interaction between uranium hexafluoride  
and ammonia. Trudy MKHII no.43:64-66 '63.

(MIEA 17:10)

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CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

KUROKAWA, K.; SHIBATA, Eiko; SHIBATA, Yuji; TANAKA, Y.

Interaction of metallic uranium with hydrogen. Iwao YAMADA  
pp.43:67-71 - '63. (JPN) (71:1)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SHISHKOV, Yu.D.; TARASOV, V.I.; SUDARIKOV, B.N.

Interaction of metallic uranium with water vapor. Trudy MKHTI  
no.43:72-77 '63. (MIRA 17:10)

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CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

UDARIKOV, B.N.; ZAKHAROV-KARTSISOV, G.I.; OGRIN, A.V.

Oxidation of tetravalent uranium in 30% citric acid solutions  
by atmospheric oxygen. Trudy MKHTI no.43;77-S1-163.  
(MIPA 17:10)

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CIA-RDP86-00513R001653730002-4"

L 41972-65 EWT(1)/EXT(a)/EPF(n)-2/EWP(t)/EWP(b) P-6 IJP(c) ES/JD/kw/  
J.77 JN

ACCESSION NR AM5001510

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to Brazil

and its compounds used for nuclear fuel are presented in sequence, beginning from the ore beneficitation plant and ending in the specialized plants producing the finished product. Basic attention in this text is given to the chemical and physical-chemical bases of the processes and their equipment.

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L 41872-65  
ACCESSION NR AMS 004510

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SUB CODE: MF, GC

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NO REF SOV: 010

Card 2/20

GALKIN, N.P., doktor tekhn. nauk; SUDARIKOV, B.N., kand. khim.  
nauk; VELYATIN, U.D.; SHTSHKOV, Yu.D.; MAYOROV, A.A.;  
BABUSHKINA, S.I., red.; TARASENKO, V.M., red.

[Uranium technology] Tekhnologiya urana. Moskva, Atom-  
izdat, 1964. 395 p. (MIRA 17:12)

ZVIAGINTSEV, O.Ye.; FROLOV, Yu.G.; SUDARIKOV, B.N.

Mechanism of the extraction of tetra- and hexavalent uranium  
sulfates by tri- and di-n-octylamines. Trudy MKHTI no.47:134-  
139 '64. (MERA 18:?)

SUDARIKOV, Nikolay Georgiyevich

1L/5

103

.59

Gosudarstvennyy Stroy Kitayskoy Narodnoy Respubliki (Governmental  
Structure of the Chinese People's Republic) Moskva, "Znaniye", 1956.  
47 P. (Vsesoyuznoye Obshchestvo Po Rasprostraneyiyu Politicheskikh  
I Nauchnykh Znaniy, Ser. 1, No. 11)  
Bibliographical Footnotes.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

RAYEVSKII, M.G.; SUPARIKOV, A.I.; IVANOV, V.V.

Plants of swelling of the ion of the silver double 50 x 72 cm  
H<sup>+</sup>, Ag<sup>+</sup>, Ni<sup>2+</sup>-forms. Vestn. Akad. Nauk SSSR, No. 2, 1964  
165. (MIRA 18:02)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

SOROKIN, S.S.; SELEZNEV, S.I.; MERKULOV, M.A.; GALUZINSKIY, P.A.;  
KRIVOPALOV, V.I.; MAYATSKIY, I.G.; PARASHUTIN, N.V.; SUDARIKOV,  
V.R.; MERKULOV, M.A.; TARBEYEV, A.A.; IL'YUSHENKOVA, T.P.,  
tekhn. red.

[Accounting in industrial enterprises] Buhgalterskii uchet v  
promyshlennykh predpriatiakh. Pod red. S.S. Sorokina. 2.,  
perer. izd. Moskva, Gosstatizdat, 1962. 333 p. (MIRA 16:3)

1. Russia (1923- U.S.S.R.) TSentral'naya statisticheskaya upravleniya. Upravleniya podgotovki kadrov schetnykh rabotnikov.
2. Upravleniya podgotovki kadrov schetnykh rabotnikov TSentral'-nogo statisticheskogo upravleniya SSSR (for all except Il'yushenkova).

(Accounting)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SUDARTKOV, V. Ya.

New medium for the clearing of helminth preparations. Trudy  
Gel'm. lab. 15:156-157 '65. (MIRA 19:1)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

SUDARIKOV, V. Ye.; SHIGIN, A.A.

Methods of studying metacercaria of trematodes of the order  
Strigeidida. Trudy Gel'm. lab. 15:158-166 '65.  
(MIRA 19:1)

SUDARIKOV, V. YE.

Sudarikov, V. Ye.: "The species composition of the onion nematode fauna in the village of Kichanzina, Arzamasskiy Rayon, Gor'kiy Oblast", Sbornik rabot po gel'mintologii (Vsesoyuz. in-t gel'mintologii im. akad. Skryabina), Moscow, 1942, p. 214-15.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SIBARIKOV, S. V., SVENCHIKOV, V. N.

Parasites - Ungulata

Helmintho-fauna of the ungulates of the Baikal region. Trudy Gel'm. lab. no. 5, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

SUDARIKOV, ... VL., RYANTSEV, K. N.

Parasites - Seals (Animals)

Biology of Contracaecum osculatum taicalensis, a nematode of the Baikal seal. Trudy Gel'm. lab. no. 5, 1951.

Monthly List of Russian Accessions, Library of Congress  
September 1952. UNCLASSIFIED.

SUDARIKOV, V. YE.

RYSTIKOV, K. M., SUDARIKOV, V. YE.

Parasites - Baikal Lake

Work of the 27th Union Helminthological Expedition of 1949 in the Lake Baikal region.  
Trudy Gel'm. lab. no. 5, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September 1958, Uncl.  
2

SUDAREVY, V. YE., POTERINA, V. A., GRSILFICH, YE., GRIGORYAN, G. A., BEMTECV, N. V.,  
FEKETEJCV, F. I., DREVUCHA, E. L., PANASYUK, D. I., FYVUV, V. I., SIMEDIN, N. YE.,  
SYUSHNIKOVA, N. M.

Dissertations, Academic - Bibliography

Dissertations in helminthology, defended in 1949-1950. Trudy Gel'm. lab. no. 5, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SURARIKOV, V. YE., AND RYZHIKOV, K. M.

Report on the "Soviet Space Station." "Space and Planets," No. 1, 1973.  
Editor, G. A. Savchenko, Moscow, 1973, page 103.

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CIA-RDP86-00513R001653730002-4"

SUDARIKOV, V. Ye.

Biological characteristics of trematodes of the order Strigeata.  
Trudy probliem. sov. no. 4:110-113 '54. (MLRA 8:7)

1. Gel'mintologicheskaya laboratoriya Akademii nauk SSSR  
(Trematoda)

MOZGOVOY, A.A.; RYZHIKOV, K.M.; SUDARIKOV, V.Ya.

Work of the 289th joint helminthological expedition of 1952-1953 in  
districts of the Amu Darya Delta and the Murgab Basin. Trudy Gel'm.  
lab. 8:33-50 '56.

(MLRA 9:8)

(Amu Darya Delta--Worms, Intestinal and parasitic)  
(Murgab Basin--Worms, Intestinal and parasitic)

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CIA-RDP86-00513R001653730002-4

MOZGOVOY, A.A.; RYZHIKOV, K.M.; SUDARIKOV, V.Ye.; LEYKINA, Ye.S.

Work of the 290th joint helminthological expedition of 1953 in the  
Yakut A.S.S.R. Trudy Gel'm. lab. 8:51-76 '56. (MLRA 9:8)  
(Yakutia--Worms, Intestinal and parasitic)

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CIA-RDP86-00513R001653730002-4"

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CIA-RDP86-00513R001653730002-4

SUDARIKOV, V.Ye.

Concerning the identity of the genera Linstowiella and Paracoeno-  
gonimus (Trematoda: Cyathocotylidae). Trudy Gel'm.lab. 8:240-247  
'56. (MLRA 9:8)  
(Trematoda)

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CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SUDARIKOV, V.Ye.

Biological characteristics of trematodes of the order Alaria.  
Trudy Gel'm. lab. 9:326-332 '59. (MIRA 13:3)  
(Trematoda)

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CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SUDARIKOV, V.Ye.

Biology of the trematodes *Strigea strigis* (Schrank, 1788) and  
*Strigea sphaerula* (Rud., 1803). Trudy Gel'm. lab. 10:217-226 '60.  
(Trematoda)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

SUDARIKOV, V.Ye.

Experimentally obtained sexually mature metacercaria of Tetracotyle ardeae (Trematoda, Strigeidae). Trudy Gel'm. lab. 10:227-230  
'60. (MIRA 13:7)

(Trematoda) (Parasites--Birds)

SUDARIKOV, V.Ye., KARMANOVA, Ye.M.

The oligochaete Criodrilus lacuum Hoffmeister, 1845 as a supplementary host of trematodes of the family Echinostomatidae and Strigeidae. Trudy Gel'm. lab. 10:231-234 '60. (MIRA 13:7)  
(Belyaevka District--Trematoda) (Parasites--Oligochaeta)

SKRYABIN, Konstantin Ivanovich, Laureat Leninskoy i Gosudarstvennykh premiy Geroy Sotsialisticheskogo Truda, akademik; ANTIPIN, D.N.; SUDARIKOV, V.Ye.; MOZGOVOY, A.A., red. izd-va; LAUT, V.G., tekhn. red.

[Trematodes of animals and man; principles of the study of Trematodes] Trematody zhivotnykh i cheloveka; osnovy trematologii. Izd-vo Akad. nauk SSSR. Vol.19. 1961. 471 p.  
(MIRA 15:2)

(Trematoda)

SUDARIKOV, V. Ya., inzh., red.; KLUTS, L.Ya., inzh., red.; PAVLOV, S.M., inzh., red.; BARANOV, L.A., inzh., red.; PEVZNER, A.S., red.izd-va; RODIONOVA, V.M., tekhn. red.

[Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat, Pt.3. Sec.A. ch.ll. [Safety engineering in construction] Tekhnika bezopasnosti v stroitel'stve (SNiP III-A. ll-62). 1963. 102 p. (MIRA 16:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroytel'stva Soveta Ministrov SSSR (for Sudarikov). 3. Tsentral'-nyy komitet profsoyuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov (for Kluts). 4. Mezhdunarodnaya komissiya po peresmotru Stroitel'nykh norm i pravil Akademii stroitel'stva i arkhitektury SSSR (for Pavlov). 5. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stu Akademii stroitel'stva i arkhitektury SSSR (for Baranov).

(Construction engineering—Safety measures)

SUDARIKOV, V.Ye.

New genus of trematodes *Cotylurostrigea* nov. gen. (family  
Strigeidae) from water birds. Trudy Gel'm.lab. 11:293-294 '61.  
(MIRA 15:12)

(Parasites—Water birds) (Strigeata)

SUDARIKOV, V.Ye.

Diagnostic role of the structute of membranes of cysts and  
capsules of metacercarias in trematodes of the suborder  
Strigeata. Trudy Gel'm.lab. 11:295-298 '61. (MIRA 15:12)  
(Strigeata)

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CIA-RDP86-00513R001653730002-4

KUROCHKIN, Yu.V.; SUDARIKOV, V.Ye.

Work of the 315th All-Union Helminthological Expedition.  
Trudy Astr. zap. no. 6:7-31 '62. (MIRA 16:7)

(Caspian Sea region--Helminthological research)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

KARMANOVA, Ye.M.; SUDARIKOV, V.Ye.

A new type of metacercariae, *Tetracotyle astrachanica* n. sp.  
(Trematoda, Strigeidida), from the oligochaetes of the Volga  
Delta. Trudy Astr. zap. no.6:115-118 '62. (MIRA 16:7)

(Volga Delta—Trematoda)  
(Volga Delta—Parasites—Oligochaeta)

SUDARIKOV, V.Ye.

Mesocercariae and metacercariae of trematodes of the order  
Strigeidida (La Rue, 1926) from amphibians and reptiles in the  
Volga Delta. Trudy Astr. zap. no.6:181-196 '62.  
(MIRA 16:7)

(Volga Delta--Trematoda)  
(Volga Delta--Parasites--Amphibia)  
(Volga Delta--Parasites--Reptiles)

SUDARIKOV, V.Ye.; KARMANOVA, Ye.M.; BAKHMET'YEVA, T.L.

Types of the metacercariae of trematodes of the order  
Strigeidida in leeches of the Volga Delta. Trudy Astr. zap.  
no.6:197-203 '62. (MIRA 16:7)

(Volga Delta--Trematoda)  
(Volga Delta--Parasites--Leeches)

SUDARIKOV, V.Ye.

Problem of polyphyletism in the genus *Neodiplostomum Railliet*,  
1919 (Trematoda, Diplostomatidae). Trudy Gel'm. lab. 12:222-  
224 '62. (MIRA 15:7)  
(Trematoda)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SUDARIKOV, V. Ye.

Some characteristics of the biology and ontogeny of trematodes of  
the order Strigeidida. Trudy Gel'm. lab. 14, 201-220 '64.  
(MIRA 17:10)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SUDARIKOV, V.Ye.; KARMANOVA, Ye.M.

Work of the Astrakhan Section of the 320th All-Union Helminthological  
Expedition of 1962. Trudy Astr. zap. no.9:32-39 '64.  
(MIRA 18:10)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

VARLAMOV, V.L.; KISALIM, Yu.V.; SUDARIKOV, V.Y.

Parasites of Myctidae of the Volga Delta and the information on the  
biology of the trematode Orientocreadium filuri (Bychowsky et  
Putinina, 1954) Yamaguti, 1958. Trudy Astr. zap. no.9:135-147 '64.  
(MIRA 18:10)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SUDARIKOV, V.Ye.; KARTSEVA, Yu.M.

Metamorphosis of the trematode Plagiorchis laricola Skrjabin, 1924,  
and its development. Trudy Aktr. nauch. nauch.-tekhn. '64.

(MIRA 18:10)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

Chernova, V. Yu.; Kuzmin, Yu. P.

Occurrence of the larvae of the parasite *Heterobdella fallax* Luke,  
1900, parasitizing on *St. rossii*, in the amphipods of the Caspian  
Sea. Trudy Zool. inst. no. 9314-218 1941.

(MRA 18:10)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

SUDAKOV, V.Yu.; MAMM., I.I.

A new species of nematodes *Leptotyphlops* sp. parasitizing on freshwater molluscs. Trudy Akad. Nauk SSSR 9:219-226 '64.  
(MIRA 18:10)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

*SUDARIKOV, Yu. H.*

3(5) PLATE I BOOK EXPLORATION Sov/1827  
Vsesoyuzny nauchno-issledovatel'skiy geologo-razvedochnyy sotsialnyy  
institut

Geologiya i nauchno-issledovaniye Tugro-vostochnykh rayonov Russkoy  
Platfformy, obornik stat'y (Geology and Oil and Gas Bearing  
Characteristics of the Southeastern Regions of the Russian  
Platform). Collection of Articles. Leningrad. Gostoptekhnizdat,  
1956. 242 p. Errata slip inserted. 1,200 copies printed.

Res.: V.N. Venetov; Eds.: M.J. Burovskiy, N.D. Il'ina, and  
A.A. Sakhnovskiy; Tech. Ed.: A.B. Yashchurinskaya; Executive  
Ed.: R.V. Kallikov.

PURPOSE: This book is intended for petroleum exploration geologists,  
particularly those interested in the Russian platform areas.  
CONTENTS: These articles, originally read at a meeting of the  
Scientific and Technical Council of Ministry of Petroleum  
Industry (1953), discuss the geologic structure of the south-  
eastern parts of the Russian platform, the planning of exploratory  
and prospecting work, and special problems in geochimistry.  
Studies are aimed at realizing the oil and gas potential of the  
area. Representatives of VNIIGI, VNIIG, the Stalingradneft-  
rafinada Trust, Saratovneft', Kazakhneft', and Grozneft'  
contributed to the work. No references are given.  
CARD 1/5

TABLE OF CONTENTS:

	Sov/1827
Geology and Oil and Gas Bearing (Cont.)	
✓ Soluyanov, V.D. (Deceased). Results of the Orientation and Exploratory Drilling in Central Prekavkarye	203
✓ Pogreben, I.B. Forecasting the Oil-bearing Possibilities of the Russian Platform by Hydrochemical Findings	218
✓ Kiselev, S.M. Hydrochemical Studies in the Stalingradnaya Oblast	226
✓ Geiler, Ye.R. Some Geochemical Works in the Lower Volga	231
✓ Karpachev-Tolpat'yevskaya, V.O. The Paleontological Method in Stratigraphy	234
✓ Andreev, N.N. Some Problems of the Tectonic Nature of the Stalingrad-Volzhskaya Highlands	237
✓ Sevukov, V.M. Techniques in the Exploration of Devonian Oil Deposits of the Stalingradnaya Oblast	240
AVAILABLE: Library of Congress	
CARD 2/5	

6  
Sov/1827-59

~~SUDARIKOV, Yu.A.~~

~~Southwestern and western boundaries of the salt dome area in the  
lower Volga Valley. Geol.nefti 2 no.9:52-56 S '58. (MIRA 11:10)~~

~~1. Moskovskiy ordena Turdovogo Krasnogo Znameni neftyanoy institut im.  
akademika I.M. Gubkina.  
(Volga Valley--Geology, Structural)~~

SUDARIKOV, Yu.A.

Tectonics of the Manych Valley. Trudy MINKHiGP no.25:204-216  
1959. (MIRA 15:5)  
(Manych Valley--Geology, Structural)  
(Manych Valley)

3(0)

AUTHORS:

Morozova, V. G., Sudarikov, Yu. A.

SOV/20 125-1-45/67

TITLE:

The Stratigraphic Significance of the Upper Eocene  
Kerestinskaya Suite, of the Sal-Yergeni Uplands  
(Kerestinskaya svita verkhnego eotsena Salo-Yergeninskoy  
vozvyshennosti i yeye stratigraficheskoye znacheniye)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 1,  
pp 166-169 (USSR)

ABSTRACT:

By their studies (1949 - 1956) the authors have confirmed the opinion of F. P. Panteleyev (Ref 6) that the Beloglinskaya Suite of the upland mentioned in the title is much older than the sedimentary rocks bearing the same name in the northern Caucasus. Up to this time there has been much confusion in the stratigraphic nomenclature of both regions (Refs 1 - 4, 7, 8). The use of the name "Beloglinskaya" for two suites of different ages is obviously not allowable. For this reason the authors proposed a new name in 1952 for the marl unit of the Belya Gлина tunnel in the Kerestinskaya suite. This new name was accepted in the unified scheme of Tertiary stratigraphy of the USSR

Card 1/3

The Stratigraphic Significance of the Upper Eocene  
Kerestinskaya Suite, of the Sal-Yergeni Uplands

SOV/20 125 1-45/67

(Conference in Baku, 1955). The entire unit in question is thoroughly described. Foraminifera samples were collected from specific beds and identified by V. G. Morozova. Stratigraphically the Kerestinskaya suite corresponds to the foraminiferal zone, *Hantkenina alabamensis* Cushman as mentioned in the title. It is subdivided into two subzones: a. the lower with *H. alabamensis* and *Marginulinopsis pseudosetosa* Moroz, sp.n., and b. the upper with *H. alabamensis* alone. The foraminifera of the lower zone a. are described; the shell is smaller in this zone. The described species belong to 4 groups: 1. characteristic species of the Kerestinskaya suite, 2. species which appear here for the first time but also occur higher in the series, 3. species of older horizons which lived into the Kerestinskaya suite, and 4. transitory species which are found above and below the Kerestinskaya suite. Most common was *H. alabamensis* with a world wide distribution but a limited vertical range. The occurrence of the suite in neighboring regions is discussed. Its extent speaks for its independence as a stratigraphic unit. It is then a reliably marked suite which can be

Card 2/3

The Stratigraphic Significance of the Upper Eocene  
Kerestinskaya Suite, of the Sal-Yergeni Uplands

SOV/20-125-1-45/67

brought into correlation with distant sections. Besides  
the above named species (Figs 1 a,b), the following  
are described and pictured: Discorbis ergenensis sp.n.  
(Figs 1 v - d) and Acarinina kiewensis sp.n. (Figs  
1 ye - z). There are 1 figure and 8 Soviet references.

ASSOCIATION: Geologicheskiy institut Akademii nauk SSSR  
(Geologic Institute of the Academy of Sciences, USSR)

PRESENTED: August 12, 1958, by A. L. Yanshin, Academician

SUBMITTED: August 5, 1958

Card 3/3

SUDARIKOV, Yu.A.

New data on the geology, and oil and gas potentials of the Volga-Don  
and Kalmyk-Sal Steppes. Trudy SGPK no.1:118-166 '60. (MIRA 13:10)  
(Russia, Southern--Petroleum geology)  
(Russia, Southern--Gas, Natural--Geology)

SUDARIKOV, Yu.A.

Paleogene history of the development and evaluation of the oil  
and gas potentials of the Iki-Burul uplift. Izv. vys. ucheb.  
zav.; neft' i gaz 3 no.1:7-12 '60. (MIRA 14:10)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlen-  
nosti im. akad. I.M. Gubkina.  
(Iki-Burul region--Petroleum geology)  
(Iki-Burul region--Gas, Natural--Geology)

SUDARIKOV, Yu.A.

Geological prerequisites for prospecting for commercial oil  
and gas pools in the environs of Elista. Izv. vys. ucheb. zav.;  
neft' i gaz 3 no.7:9-13 '60. (MIRA 15:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy  
promyshlennosti imeni akademika I.M. Gubkina.  
(Elista region--Petroleum geology)  
(Elista region--Gas, Natural--Geology)

YUDIN, G.T.; SUDARIKOV, Yu.A.

Origin of the sand-silt band of the Khadum horizon in  
Stavropol Territory. Gaz.prom. 5 no.6:1-6 Je '60.  
(MIRA 13:6)  
(Stavropol Territory--Silt)

USPENSKAYA, N.Yu.; BYKOV, R.I.; SUDARIKOV, Yu.A.

Outlook for oil and gas in eastern and central Ciscaucasia and  
the southern Russian Platform and basic trends in future  
prospecting. Trudy VNIGNI no.32:211-247 '60. (MIRA 14:7)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. I.M. Gubkina.

(Caucasus, Northern--Petroleum geology)

(Caucasus, Northern--Gas, Natural--Geology)

(Russian Platform--Petroleum geology)

(Russian Platform--Gas, Natural--Geology)

SUDARIKOV, Yu.A.

Some features of the structure of the Eocene sediments in  
northern Ciscaucasia and the Volga Valley portion of Stalingrad  
and Astrakhan Provinces. Trudy VNIGNI no.32:248-259 '60.

(MIRA 14:7)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. I.M. Gubkina.  
(Caucasus, Northern--Geology, Stratigraphic)  
(Volga Valley--Geology, Stratigraphic)

PAL'TSEVA, K.F.; SUDARIKOV, Yu.A.

Modern structure of the Stavropol Plateau. Trudy SGPK no.2:223-  
242 '61. (MIRA 14:11)

(Stavropol Plateau--Geology, Structural)

SUDARIKOV, Yu.A.

Some characteristics of the distribution of Paleocene sediments in  
Ciscaucasia and the Volga-Don watershed. Trudy SGPK no.2:243-263  
'61. (MIRA 14:11)

(Caucasus, Northern--Geology, Stratigraphic)  
(Volga Valley--Geology, Stratigraphic)  
(Don Valley--Geology, Stratigraphic)

SUDARIKOV, Yu.A.

Immediate problems of prospecting for oil and gas in the eastern  
trough of the Donets Basin. Sov.geol. 5 no.8:144-151 Ag '62.

(MIRA 15:9)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
imeni I.M. Gubkina.

(Rostov Province--Petroleum geology)

(Rostov Province--Gas, Natural--Geology)

SUDARIKOV, Yu.A.

Eocene sediments in the northern part of the Eastern Manych  
Valley and the Sal-Manych Range. Trudy MINKHiGP no.36:72-91  
'62. (MIRA 15:6)  
(Eastern Manych Valley--Geology, Stratigraphic)

SUDARIKOV, Yu.A.; BERETO, Ya.A.; MEDVEDEV, N.F.

Tectonics and the history of the formation of the Kanevsko-Berezan swell of the Azov arch. Trudy MINKhIGP no.36:102-118 '62. (MIRA 15:6)

(Krasnodar Territory--Geology, Structural)  
(Rostov Province--Geology, Structural)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

USPENSKAYA, N.Yu.; SUDARIKOV, Yu.A.

Sutural zone of convergence of the Russian Platform and the  
Epi-Hercynian Platform of Ciscaucasia. Trudy MINKHiGP no.43;  
67-75 '63.  
(MIRA 17:4)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

VAGIN, S.B.; GORDINSKIY, G.Ye.; GRIBOVA, Ye.A.; DUBROVSKAYA,M.A.;ZHDANOV,  
M.A., prof. ; ZYUZINA, N.G.; KARTSEV, A.A.; KNYAZEV,V.S.,dots.;  
LEONOVA, R.A.;POKROVSKAYA, L.V.; SUDARIKOV, Yu.A.;YUDIN,G.T.,dots.;  
SOKOL'SKAYA, Z.V.; TOMKINA, A.V.; USPENSKAYA,N.Yu.,prof.;FOMKIN,  
K.V.,kand.geol-min.nauk; CHERNYSHEV,S.M.; YAVORCHUK, I.V.;  
BAKIROV, A.A., prof., red.; DEMENT'YEVA, T.A., ved. red.

[Geological conditions and basic characteristics of oil and  
gas accumulations in the limits of the Epi-Hercynian  
Platform in the south of the U.S.S.R.] Geologicheskie uslo-  
viia i osnovnye zakonomernosti razmeshcheniya skoplenii  
nefti i gaza v predelakh epigertsinskoi platformy iuga SSSR.  
Pod obshchei red. A.A.Bakirova. Moskva, Nedra. Vol.2. 1964.  
(MIRA 17:12)  
306 p.

1. Moscow. Institut neftekhimicheskoy i gazovoy promyshlen-  
nosti.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4

ROZENFELD, I. L., OLKHOVNIKOV, Yu. P. and SUDARIKOVA, A. A.

"The Effect of Composition of Water on Corrosion of Zirconium Alloys  
at High Temperatures and Pressures"

report presented at the IAEA Symposium on Corrosion of Reactor Materials,  
Salzburg, Austria, 4-9 Jun 1962.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653730002-4"

L 08911-67 EWT(m) DS/RM

ACC NR: AF6023070

(A)

SOURCE COLE: UR/0191/66/000/004/0060/0063

AUTHOR: Poryshkina, N. G.; Soldatov, V. S.; Sudarikova, N. I.

ORG: none

TITLE: Effect of heat treatment on the properties of the ion-exchange resin KB-4 2P

SOURCE: Plasticheskiye massy, no. 4, 1966, 60-63

TOPIC TAGS: ion exchange resin, heat resistance, thermal effect, pyrometer

ABSTRACT: The present studies of cationite KB-4 2P have been prompted by the theoretical and the practical interest in the heat resistance of carboxyl ionites and the possibility of their regeneration. The commercial ionite KB-4 2P (copolymer of methacrylic acid and 2% divinyl benzene) in its hydrogen and potassium forms was used. The potassium form was obtained by treating the ionite with 2N solution of caustic potash. Both forms were air-dried. The exchange volume of the resin was 10.4 mEq/g. Water sorbtion of the original H- and K- forms of the ionite was 0.63g and 2.20 g of H<sub>2</sub>O/g of dry ionite, respectively. The differential thermograms (Figure 1) were obtained with the aid of a Kurnakov pyrometer at a cooling rate of 8C/min. Weight loss was determined for a continually rising temperature, and for a constant temperature before the specimen's weight became constant. The temperature dependence of the exchange volume of the ionite is shown in Figure 2. The separation of water at tempera-

Card 1/3

UDC: 661.183.123.01 : 536

L 08911-67

ACC NR: AP6023070

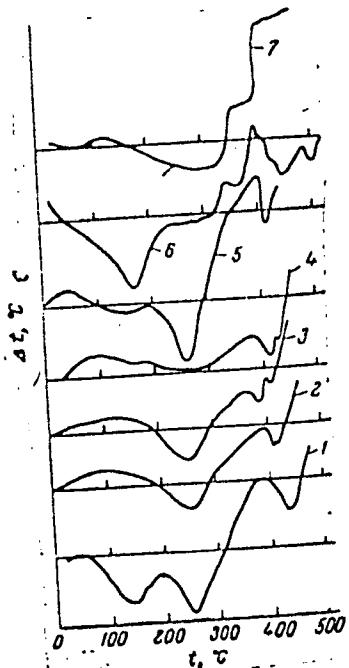


Figure 1. Differential thermograms  
Curves 1-4:  $H^+$ -form, air-dried ionite, heat treated at  
110, 160, 200, and 260°C  
Curve 5: specimen heat-treated at 200°C with the exchange  
volume restored by alkali, dried at 100°C  
Curves 6-7: specimens of the  $K^+$ -form, air-dried and heat-  
treated at 160°C, respectively

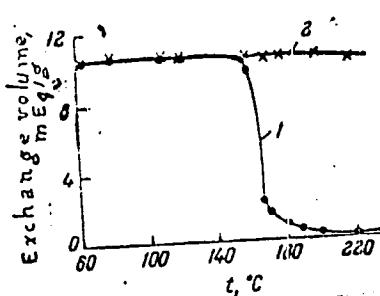


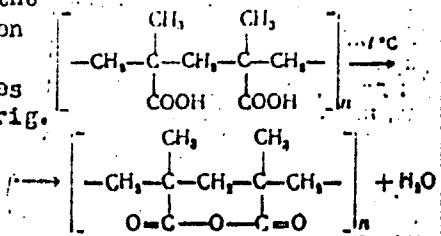
Figure 2. Temperature dependence of the exchange volume of the ionite  
Curve 1: heat-treated ionite  
Curve 2: specimens of the same ionite heat-treated and treated with alkali (hence converted to  $H^+$ -form to determine the exchange volume)  
[Abstractor's Note: It seems that the unit of exchange volume is in error. In the text it was given as  $mg_{\text{Eq}}/g$ . In the Figure the Russian letter for g is omitted.]

Card 2/3

L 08911-67

ACC NR: AF6023070

ture between 160-260°C and the corresponding minimum at 260°C (curves 1, 2 in Figure 1) are conjectured to result due to the deformation of a polymeric anhydride: The elementary analysis of the original and heat-treated ionite confirm this conjecture. The heat resistance of the ionite was studied under production conditions, i.e. when the ionite was exposed to hot electrolytes at pH > 8 and subsequent regeneration. The heat treatment not only does not reduce the exchange volume but even increases it. Orig. art. has: 5 fig. and 1 formula.



SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002

Card 3/3 *plus*

LADYZHNIKOVA, N.I., kand. khim. nauk; SUDARIKOVA, T.I., inzh.

Lactones formed in the oxidation of paraffins. Masl.-zhir. prom.  
25 no.7:39-40 '59. (MIRA 12:12)

1. Vsescouznyy nauchno-issledovatel'skiy institut po pererabotke  
nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.  
(Lactones) (Paraffins)

AYVAZOV, B.R., red.; MASHKINA, A.V., red.; OBOLENTSEV, R.D., red.;  
ROZHDESTVENSKIY, V.P., red.; SHANIN, L.L., red.; SUDARKINA, K.I., red.;  
RAKHIMOV, R.Sh., tekhn. red.

[Chemistry of sulfur organic compounds in petroleum and petroleum products; papers of the second scientific session] Khimiia sera-organicheskikh sredstv i soderzhashchikh i neftiakh i nefteproduktakh; materialy II nauchnoi sessii. Ufa, Vol. 1., 1958. 228 p.

1. Akademiya nauk SSSR. Bashkirskiy filial, Ufa.  
(Sulfur organic compounds)  
(Petroleum)  
(Petroleum products)

OSIPOV, Ya.Kh.; TALOVIKOV, G.I.; SEREBRYANYY, Ya.L.; SUDARKINA, V.A.

Materiál and thermal balances in electric ore smelters on the  
"Pechenganikel" Combine. TSvet. met. 33 no.10:35-38 O '60.  
(MIRA 13:10)

1. Kombinat "Pechenganikel" (for Osipov, Talovikov, Serебрянин).
2. Institut "Gipronikel" (for Sudarkina).  
(Pechenga District--Nickel--Metallurgy)  
(Electric furnaces)

SAVIC, Jovan, sanitetski pukovnik doc. d-r; SUDAROV, Zivojin, sanitetski  
potpukovnik

Our experiences with surgical therapy of meniscus injuries.  
Voj. san. pregl., Beogr. 17 no. 4:403-408 Ap '60.

1. Klinika za hirurške bolesti.  
(KNEE wds. & inj.)

BERVAR, Marjan, sanitetski pukovnik, dr.; SUDAROV, Zivojin, sanitetski pukovnik, docent, dr.; ZAJIC, Zivorad, sanitetski potpukovnik, dr.

Organization of the collection of mass casualties during first critical hours after a disaster. Vojnosanit. pregl. 21 no.11: 695-702 N '64

SUDAROV, Zivojin, sanitetski pukovnik docent, dr.

Flatfoot. Vojnosanit. pregl. 21 no.12:793-795 D '64.

1. Klinika za hirurske bolesti, ortopedsko odeljenje, Vojno-medicinska akademija u Beogradu.

BEDROSOV, Yuriy Yakovlevich; SUDAR\$, Lev Petrovich; GORELIK, I.M.,  
red.; ABPASOV, T., tekhn. red.

[Aeronautics in agriculture] Aviatsiia v sel'skom kho-  
ziaistve. Tashkent, Gosizdat UzSSR, 1962. 48 p.  
(MIRA 16:4)  
(Uzbekistan—Aeronautics in agriculture)

USPENSKIY, F.M., kand. biol. nauk; SMOV, I.A.; MUMINOV, A.M.,  
kand. sel'khoz. nauk; IVANOV, Ye.N., kand. biol. nauk;  
VASIL'YEV, A.A., kand. sel'khoz. nauk; SOLOV'YEVA, A.I.,  
kand. sel'khoz. nauk; ZAPROMETOV, N.G., doktor sel'khoz.  
nauk; YAKHONTOV, V.V., doktor biol. nauk; KAPUSTINA, R.I.;  
STROMM, N.G.; POLEVSHCHIKOVA, V.N., kand. sel'khoz. nauk;  
KARIMOV, M.A., doktor biol. nauk; NOSKOV, I.G., kand. sel'-  
khoz. nauk; KHODZHAYEV, A.Kh.; ALEYEV, B.G., kand. sel'khoz.  
nauk; YAKHONTOV, V.V., doktor biol. nauk; STEPANOV, F.A.;  
LYUBETSKIY, Kh.Z., kand. med. nauk; GUREVICH, B.E.;  
KONDRAT'YEV, V.I.; SUDARS, L.P.; KOSTENKO, I.R., zasl. agr.  
Uzbekskoy SSR; GORELIK, I.M., red.; BAKHTIYAROV, A., tekhn.  
red.

[Manual on controlling the pests, diseases and weeds of cot-  
ton, corn, and legumes] Spravochnik po bor'be s vrediteliami  
i bolezniami khlopchatchnika, kukuruzy i bobovykh kul'tur. Izd.2.,  
perer. i dop. Tashkent, Gos.izd-vo UzSSE, 1963. 325 p.

(MIRA 16:5)

(Field crops—Diseases and pests)  
(Weed control)

KOLESNIKOV, P.I., dotsent, kand. tekhn. nauk (Tashkent);  
SUDARUSHKIN, A.F., inzh. (Tashkent); SINYAGIN, Yu.A., inzh.  
(Tashkent)

Stabilization of tracks with reinforced concrete ties and  
gravel ballast. Put' i put. khoz. 7 no.6:6-8 '63.  
(MIRA 16:7)

(Railroads—Track) (Ballast(Railroads))

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KOLESNIKOV, F.I., kand. tekhn. nauk (Tashkent); SUDARUSHKIN, A.F., inzh.  
(Tashkent).

Continuous rail track on sorted gravel. Put' i put. khoz. 8  
no.11215-16 '64 (MIRA 1832)

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L 12976-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) BB/GG  
ACC NR: AP6001521 SOURCE CODE: UR/0302/65/000/004/0064/0066

AUTHOR: Sud'bin, B. A.; Shpakovskaya, D. V.

ORG: None

TITLE: A duodirectional pulse converter for changing angle of shaft rotation to discrete code 16C,44

63  
15

SOURCE: Avtomatika i priborostroyeniye, no. 4, 1965, 64-66

TOPIC TAGS: analog digital converter, pulse coding, shaft, mining machinery

ABSTRACT: The article is a report on a computing device developed at the Institute of Automation of the State Committee on Instrument Building, Means of Automation and Control Systems, State Planning Committee SSSR (Institut avtomatiki Gosudarstvennogo komiteta po priborostroyeniyu, sredstvam avtomatizatsii i sistemam upravleniya pri Gosplane SSSR) for use in the controller for the direction of motion of shaft-sinking combines. The device uses a pulse converter for changing angle of shaft rotation to discrete code (D. V. Nizovkina, B. A. Sud'bin, Soviet patent No. 145463). The unit has two independent outputs with pulses which differ in sign depending on the change in direction of rotation. The unit may be used for a wide range of shaft rotation rates and has a high signal to noise ratio. The angle of shaft rotation is converted to a pulse train by a disk mounted on the shaft and a readout head. The disk is made of a material with high magnetic permeability and has a number of teeth around the edge. The diameter of the disk may be increased or the pitch of Card 1/2

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the teeth reduced to increase the accuracy of the angle reading. The readout head consists of a differential transformer with a magnetic circuit made up of two ferrite rings. The magnetic circuit should be thinner than the width of the teeth on the disk. Air gaps are cut in the ferrite rings to take the teeth on the disk. The electrical circuit of the converter is shown and an explanation of its operation is given. Tests show that the device works reliably at shaft rotation speeds of 0.025 mm/sec to 300 rpm. Orig. art. has: 2 figures.

SUB CODE: 09, 13 / SUBM DATE: none

Card 2/2

NIEDERLE, B.; BERAN, I.; FALTUS, H.; SUDEK, J.

Thromboembolic disease in surgical, internal and gynecological-obstetrical departments. Cas. Lek. Cesk. 101 no.6:161-167 9 F '62.

1. Chirurg. oddel., prednosta prof. dr. B. Niederle, interni oddel., prednosta dr. I. Beran, a gynekol.-porod. oddel., prednosta doc. dr. V. Sebak, nemocnice v Praze-Motole.

(THROMBOEMBOLISM)

SUDEK, J.

Principles of surgical therapy of fractures of the frontal region.  
Rozhl. chir. 41 no.9:605-608 S '62.

1. Chirurgicke oddeleni nemocnice v Praze-Motole, prednosta prof. dr.  
B. Niederle,  
(FRONTAL BONE)

HRABOVECKY, I.; SUDEK, V.

Influence of the alkyl chain length in the Zintiol additive on  
the efficiency of the freezing point depression agent. Rop a  
uhlie 6 no.8:229-232 Ag '64.

1. Chemicke zavody Jura ja Dimitrova National Enterprise, Bratislava.

Journal of General Chemistry, U.S.S.R., Vol. 18, No. 8, 1948.

Gor'kov, M. M., Zhukovskii, F. I. and Ragan, I. P., On the influence of the degree of purity of vinyl-alkyl ethers during processes of polymerization. The polymerization of vinyl-ethyl ether in the presence of compounds containing organic acids, esters, etc. p. 742.

The degree of polymerization of vinyl-alkyl ethers varies in accordance with the polymerization reaction mainly on the purity of the initial ether. Oxygen-containing compounds, such as alcohols, aldehydes, ketones and acetates contained in technical vinyl-alkyl ethers, lead to the presence of a peroxide effect and to a lowering of polymerization rate.

Inst. of Org. Chem. of the Acad. of Sci.  
USSR. Lab. of Vinyl Compounds.  
December 20, 1945

cc: Journal of General Chemistry (USSR) 18, (70) No. 8 (1948)

SUDENKO, A.M.; SHEREMET'YEV, A.M., otv. red.; RYKOV, N.A., red. izd-va; KOROVENKOVA, Z.A., tekhn. red.

[Advanced methods of repairing equipment in coal preparation plants] Perekovye metody remonta oborudovaniia ugleobogatitel'nykh fabrik. Moskva, Ugletekhizdat, 1954. 66 p.  
(MIRA 16:7)

(Coal preparation plants—Equipment and supplies)

SUDENKO, Aleksey Mikhaylovich; TSAREVSKIY, Anatoliy Fedorovich; SELISHCHEV,  
A.N., otvetstvennyy redaktor; GABBER, T.N., redaktor izdatel'stva;  
ANDREYEV, G.G., tekhnicheskiy redaktor; IL'INSKAYA, G.M.,  
tekhnicheskiy redaktor

[Problems of economizing electric power in coal preparation plants]  
Voprosy ekonomii elektroenergii na ugleobogatitel'nykh fabrikakh.  
Moskva, Ugletekhnizdat, 1956. 70 p. (MLRA 9:9)  
(Coal preparation) (Electric power)

SUDENKO, V.I.

Antagonistic properties of lactic acid bacteria in the human  
gastrointestinal tract. Mikrobiol. zhur. 26 no.1:54-59 '64.  
(MIRA 18:11)

1. Institut mikrobiologii AN UkrSSR.

SUDENKO, V.I.

Species of the antagonistic strains of lactic acid bacteria of  
the human gastrointestinal tract. Mikrobiol. zhur. 25 no.6:  
13-19'63 (MIRA 17:7)

1. Institut mikrobiologii AN UkrSSR.

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SUDENKO, V.I.

Variability of the antagonistic properties of *Streptococcus lactis*  
under the influence of ultraviolet rays and some mutagenic sub-  
stances. *Mikrobiol. zhur.* 26 no.3:37-43 '64.

(MIRA 18:5)

1. Institut mikrobiologii AN UkrSSR.

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CIA-RDP86-00513R001653730002-4"

SUDENKO, V.M.

Case of a congenital tracheo-esophageal fistula in a sixty-year old woman. Zhur.ush., nos. i gor.bol.22 No.6:65 N-D'62.  
(MIR 16-7)

1. Iz patologoanatomicheskogo otdeleniya Cherkasskoy oblastnoy bol'nitsy.  
(FISTULA, ESOPHAGEAL) (FISTULA, TRACHEAL)